

Notice of Allowability**Application No.**

10/661,107

Examiner

JOEL AJAYI

Applicant(s)

BIMS, HARRY

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the communication received on April 06, 2011.
2. ☒ The allowed claim(s) is/are 1,2,4-17,19-21,23-25,27-31 and 33-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael R. Malek (Reg. No. 65,211) on April 26, 2011.

The application has been amended as follows:

20. (Currently Amended) A method, comprising:

receiving, by a switch coupled to a plurality of repeaters, a data packet destined to a mobile station, the data packet being characterized as having an address that corresponds to the mobile station;

performing, by the switch, an address translation on the address to identify a switch port from among a plurality of switch ports that corresponds to a repeater from among the plurality of repeaters that is wirelessly communicatively coupled to the mobile station;

determining, by the switch, whether immediately transmitting the packet from the repeater to the mobile station will cause an interference with other communications destined to the mobile station; and transmitting, by the switch, the packet through the switch port to the repeater when it is determined that immediately transmitting the packet will not cause interference.

35. (Currently Amended) An apparatus, comprising:

means for receiving a packet destined to a mobile station, the data packet being characterized as having an address that corresponds to the mobile station;

means for performing an address translation on the address to identify a switch port from among a plurality of switch ports that corresponds to a repeater from among [[the]] a plurality of repeaters that is wirelessly communicatively coupled to the mobile station, the plurality of repeaters being coupled to the switch;

means for determining whether immediately transmitting the packet from the repeater to the mobile station will cause an interference with other communications destined to the mobile station; and

means for transmitting the packet through the switch port to the repeater when it is determined that immediately transmitting the packet will not cause interference.

REASON FOR ALLOWANCE

Allowable Subject Matter

Claims 1, 2, 4-17, 19-21, 23-25, 27-31, and 33-35 are allowed.

The following is an examiner's statement of reasons for allowance: Grybos discloses the method of configuring a plurality of repeaters operating at a substantially identical communication frequency to coordinate transmissions of data packets with respect to first and second mobile stations, determining whether the transmissions will create interference between the first and second packets, transmitting the packets at different times when it is determined that an interference will occur. However Grybos does not disclose configuring, by a switch, a plurality of repeaters operating at a substantially identical communication frequency to

coordinate transmissions of first and second data packets to first and second mobile stations, respectively, that are wirelessly communicatively coupled to a repeater from among the plurality of repeaters, the first data packet being characterized as having a first address that corresponds to the first mobile station and the second data packet being characterized as having a second address that corresponds to the second mobile station; performing, by the switch, an address translation on the first and second addresses to identify a switch port from among a plurality of switch ports that corresponds to the repeater; determining, by the switch, whether wirelessly transmitting the first and second data packets from the repeater to the first and second mobile stations, respectively, will create interference between the first and second data packets; and transmitting, by the switch, the first and second data packets through the switch port to the repeater at different times when it is determined that wirelessly transmitting the first and second data packets from the repeater will create interference.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building

401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Joel Ajayi whose telephone number is (571) 270-1091. The Examiner can normally be reached on Monday-Friday from 7:30am to 5:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/Joel Ajayi/

Examiner, Art Unit 2617

/LESTER KINCAID/

Supervisory Patent Examiner, Art Unit 2617